



Texas Commission on Environmental Quality

SYSTEM INVENTORY AND WATER CONSERVATION PLAN FOR INDIVIDUALLY-OPERATED IRRIGATION SYSTEMS

This form is provided to assist entities in conservation plan development for individually-operated irrigation systems. If you need assistance in completing this form or in developing your plan, please contact the conservation staff of the Resource Protection Team in the Water Supply Division at (512) 239-4691.

Name: _____

Address: _____

Telephone Number: _____ Fax: _____

Form Completed By: _____ Title: _____

Signature: _____ Date: _____

Annual diversion requested or appropriated (in acre-feet):

I. **Type of crop:** **Growing season (months):** **Acres irrigated per year:**

(Include hybrid crop names;
e.g., which type of coastal bermuda?)

_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Total # of acres: _____

In the table below, list, on average, the total amount of water (in acre-feet) that is or will be diverted monthly for irrigation during the year:

January		May		September		Overall total for all months
February		June		October		
March		July		November		
April		August		December		
Monthly Totals						

Are crops rotated seasonally or annually? YES NO (circle one)

If yes, please describe: _____

NOTE: If the plan does not provide information for each requirement below, include an explanation of why the requirement is not applicable.

II. Describe soil type (include permeability characteristics, if available):

III. Describe the existing irrigation system, including plans, designs, and/or sketches of the system layout, pump location, slope of the land to be irrigated, and specifics about the delivery method:

IV. Describe the methods and/or device within an accuracy of plus or minus 5% that will be used to measure and account for the amount of water diverted for irrigation:

V. Describe the specific and quantified five-year and ten-year targets for water saving including, where appropriate, quantitative goals for irrigation water use efficiency.

VI. If there is an existing irrigation system, have any system evaluations been performed on the efficiency of the system? YES NO (circle one)

If YES, please indicate:

When evaluation(s) was performed:

Who performed the evaluation(s):

Results of evaluation(s): _____

VII. Describe any water conserving equipment, application system or method in the irrigation system:

VIII. Describe any methods that will be used for water loss control and leak detection and repair:

IX. Describe any water-saving scheduling or measurement practices to be used in the application of water; (for example, irrigation only early in the morning, late evening or night hours, and when the wind is calm and temperatures lower) and the utilization of soil-moisture monitoring:

X. Describe any water-saving land improvements that the applicant plans to incorporate into the irrigation practices, such as conservation tillage, knifing, furrow diking, weed control, etc.:

XI. Describe any recovery and reuse of tailwater runoff:

XII. Describe, where applicable, any xeriscape practices to be used (usually associated with landscaping):

XIII. Indicate (in gallons-per-minute or cubic-feet-per-second) the rate that water is diverted from the source: _____

Best Management Practices Guide

On November 2004, the Texas Water Development Board's (TWDB) Report 362 was completed by the Water Conservation Implementation Task Force. Report 362 is the Water Conservation Best Management Practices (BMP) Guide. The BMP Guide is a voluntary list of management practices that water users may implement in addition to the required components of Title 30, Texas Administrative Code, Chapter 288. The BMP Guide is available on the TWDB's website at the link below or by calling (512) 463-7847.

<http://www.twdb.state.tx.us/assistance/conservation/TaskForceDocs/WCITFBMPGuide.pdf>